

Claims

Claim 1 Software generation method characterized by comprising:

5 a first step for defining a statement execution unit of any of L2 processing (checking process for input word's attribute), L processing (value generation processing of output word), I2 processing (logical body input processing), and O4 processing (logical body output processing), all of which are necessary for satisfying the requirements, from
10 word-unit statements in which the user requirements to be implemented as a program is declared by a word name, a definition equation, execution conditions of the definition equation, input/output attributes, and attributes of a word value for each logical body accompanied by access conditions
15 and for each word on the logical body;

a second step for defining a (partial) order relation of all said defined L2 processing (checking process for input word's attribute), L processing (value generation processing of output word), I2 processing (logical body input processing),
20 and O4 processing (logical body output processing);

a third step for executing topological sort for said L2 processing, L processing, I2 processing, and O4 processing defined in the (partial) order relation defined in the second step; and

25 a fourth step for arranging a predetermined code sequence based on Lyee methodology and relevant to the statement execution unit in accordance with an order of the statement execution units rearranged in the third step.